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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

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TITLE:

ANTIVIRAL AGENT IN THE FORM

OF NOSE DROPS

**RECEIVED** 

THE ASSISTANT COMMISSIONER FOR PATENTS Washington, D.C. 20231

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## **CLEAN VERSION OF CLAIMS**

TECH CENTER 1600/2900

An antiviral drug presented as nasal drops comprising genetically engineered alpha, beta or gamma interferon, at least one biocompatible polymer selected from the group consisting of polyvinyl pyrrolidone and polyethylene oxide, and a biocompatible antioxidant, the drug viscosity being 11 – 300 Pa\*s.

- 15. The antiviral drug of claim 14 wherein the antioxidant is Trilon B.
- The antiviral drug of claim 14 or claim 15 comprising polyvinyl pyrrolidone and polyethylene oxide in a ratio of 1:1 to 1:50.
- 17. An antiviral drug presented as nasal drops comprising per ml of a buffered saline solution:
  - a genetically engineered alpha, beta

∕or gamma interferon

1,000 – 300,000 IU

 at least one biocompatible polymer selected from the group consisting of polyvinyl pyrrolidone and polyethylene oxide

0.005 - 0.714 g

c. antioxidant
the drug viscosity being 11 – 300 Pa\*s.

0.0001 - 0.0008 g

18. The antiviral drug of claim 17 wherein the antioxidant is Trilon B.

19%.

The antiviral drug of claim 1/1 or claim 1/8 comprising polyvinyl pyrrolidone and polyethylene oxide.

The antiviral drug of claim 1/2 or claim 1/8 comprising polyvinyl pyrrolidone and polyethylene oxide in a ratio of 1:1 to 1:50.